

SECTION N

TRAFFIC INFORMATION

R 299.9504(1)(c) and 40 CFR 270.14(b)(10)

TRAFFIC INFORMATION

The information provided in this section is submitted in accordance with 40 CFR 270.14(b)(10) and Michigan Act 451 R 299.9504(1)(c) requirements for traffic information. EQD has been in existence and operating as a permitted RCRA storage facility since 2/4/2004.

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N-1 General Information

EQD is located within a commercial area in the City of Detroit which has a population of approximately 650,000 people. There are an estimated 500 people living within one mile of the site, and an estimated 1,000 live within three miles. Industries in the area include a warehouse facility, and Detroit Renewable Power municipal incinerator.

The facility occupies an area of approximately 15 acres and is located at 1923 Frederick Street. The general area around the site is heavily industrialized.

The major transportation routes that service Detroit include six freeways (I-94, I-75, I-375, I-96, M-10, and M-8), numerous major thoroughfares (2-way and 1-way), secondary thoroughfares (2-way and 1-way) and several railroads.

The EQD site is located near the intersection of interstates I-75 and I-94 and is situated on a land parcel roughly bounded to the south by Farnsworth Street, to the east by St. Aubin Street, to the north by Ferry Street and to the west by Grand Trunk Western Railroad. Access to the facility is off of St. Aubin Street through a 24-hour staffed guard check point. Current operations associated with the facility are limited to the buildings herein which are all located north of Frederick Street.

N-2 Traffic Routes

EQD's operational policy for traffic routing is as follows:

EQD requires trucks delivering loads to its facility to utilize the Warren Street exit from I-75, the Russell Street exit from eastbound I-94 and the Mt. Elliot exit from westbound I-94. These routes are listed below:

Directions from I-75 North: I-75 North to Warren Street exit (Exit 53A); proceed on service drive until it ends on Ferry Street; right on Ferry Street; proceed two blocks to St. Aubin Street; right on St. Aubin Street; proceed one block to the entrance on the right; EQD facility entrance is clearly marked as "US Ecology".

Directions from I-75 South: I-75 South to Warren Street exit. Proceed over freeway onto service drive; proceed on service drive until it ends on Ferry Street; right on Ferry Street; proceed two blocks to St. Aubin Street; right on St. Aubin Street; proceed one block to the entrance on the right; EQD facility entrance is clearly marked as "US Ecology".

Directions from I-94 East: I-94 East to Russell Street Exit Right on Russell Street; proceed to Ferry Street; Left on Ferry Street; proceed one block to St. Aubin Street; right on St. Aubin Street; proceed one block to the entrance on the right; EQD facility entrance is clearly marked as "US Ecology".

Directions from I-94 West: I-94 West to Mt. Elliot Exit. Proceed on the service drive from Chene Street; Left on Chene Street; proceed to Ferry Street; right on Ferry Street; proceed to St. Aubin Street; left on St. Aubin Street; proceed one block to the entrance on the right; EQD facility entrance is clearly marked as "US Ecology".

N-3 Traffic Volume

Truck traffic is prohibited from traveling on the residential streets around EQD by posted signs. Trucks traveling to and from the facility are limited to travel upon the major traffic routes described below.

The number of trucks using each I-75 and I-94 exit is a matter of speculation. It is fairly safe to assume that only a fraction of facility bound trucks will exit at Russell Street. It would be desirable to keep truck traffic on St. Aubin Street to minimize interference with the traffic to the Detroit Renewable Power municipal incinerator. The area west of St. Aubin is zoned intensive industrial, although it includes several older residences predating the change in the zoning. Land on the east side has been designated a residential zone. Regular traffic on St. Aubin Street is relatively light and therefore the small volume of EQD truck traffic is not likely to create a significant inconvenience to the local residents.

Roll-off trucks, stake trucks, covered and uncovered flat bed trucks, bulk tank trucks, vacuum tank trucks and rail car tankers will deliver drummed and bulk waste liquids and sludges to EQD. Treated liquid wastes and recycled products not discharged to the sanitary sewer will be manifested as appropriate and shipped off-site via bulk tanker trucks. Solid waste will be manifested as appropriate and shipped off-site in roll-off boxes.

EQD does not anticipate major differences in the amount and pattern of traffic to and from the site. Truck traffic to the facility may increase; but combined with current truck traffic from neighboring facilities in the area, the minimal potential increase in traffic related noise is not expected to be a source of annoyance for nearby residents. The potential impact will be effectively mitigated by routing traffic to and from the site through an established route along I-94, I-75; Farnsworth Street; Russell Street; Ferry Street; St. Aubin Street; and Chene Street. This will impact the smallest number of residences possible.

N-3a Estimated Number and Types of Vehicles

| Waste Hauling Vehicles | Average Number per Day |
|---------------------------------|-------------------------------|
| Waste Hauling Trailers | 35 – 50 |
| Waste Hauling Tankers | 15 – 35 |
| Van Trailers Hauling Containers | 15 - 20 |
| Pneumatic Trailers | 5 - 15 |

N-4 Access Road Construction

All roadways traveled to EQD facility are designated for heavy vehicles and are maintained by the City of Detroit or Wayne County. The maximum weight of any road vehicle traveling the access roadways varies according to season and is regulated by the Michigan Department of Transportation, Wayne County and the City of Detroit. All

vehicles transporting to and from EQD will be loaded in accordance with the applicable restrictions in force throughout the year.

N-5 Description of the Site and Traffic Flow

The internal network, traffic pattern and control devices for the facility are described below:

N-5a Site Traffic Flow

All incoming traffic will enter the EQD facility through the electric gate off St. Aubin Street. Traffic will proceed to the Waste Acceptance Building for processing. Following acceptance of a shipment (after screening at the Waste Acceptance Building), hazardous waste transporting vehicles proceed via the internal roadway system to the waste processing facility. Drivers are directed to off-load their shipment at either the:

1. Main Treatment Building near the Chemical Precipitation Room;
2. Main Treatment building near the Corrosive Treatment Room,
3. Process Treatment Building
4. Container Storage and Container Staging Area, or
5. Chemical Fixation Building.

Traffic destined for the Chemical Fixation Building will approach the plant from the south and exit through the north or south side of the building. Containerized waste will be delivered to the plant's Container Staging Area on the south side of the building. Traffic unloading bulk liquids will approach the Main Treatment Building west side. Traffic will exit east through the facility via the security area and exit on St. Aubin Street.

N-6 Security Procedures and Equipment

Vehicles must enter the site through the entrance off of St. Aubin Street when delivering hazardous waste to EQD. Once inside the facility, all vehicles must stop at Security to check in and then proceed to the Receiving Department for processing of manifests, other shipping documents and for load inspection and sampling. At all times, a security guard is posted at the security guard office to monitor delivery vehicle entry (such as delivery of equipment and supplies) and to exclude any unauthorized person from the site.

As per 40 CFR Part 264.14(c), warning signs are posted on the fence surrounding the facility.